

Claims

1 1. Fixing element for fixing corrugated tubes to a support part,
2 wherein the fixing element can be connected to the support part by means of a
3 fixing leg, and wherein the fixing element contains engaging members that can
4 be engaged with undercuts provided on the corrugated tube, characterized by
5 the fact that a guiding rail (9) is rigidly connected to the fixing leg (10),
6 wherein a slide (11) with a retainer lock (12) that is rigidly arranged on the
7 slide and tapered in the inserting direction (P) can be displaced in the
8 aforementioned guiding rail, wherein engaging edges (21, 29) that are directed
9 toward one another in a mirror-inverted fashion are arranged on one side wall
10 (17) of the guiding rail (9) and on the retainer lock surface (28) of the retainer
11 lock (12) which is situated opposite to said side wall, wherein the engaging
12 edges can be engaged with undercuts (4) that extend parallel to one another in
13 the longitudinal direction in a mirror-inverted fashion on the corrugated tube
14 (1) to be fixed, and wherein the distance between said engaging edges is
15 reduced when the slide (11) is inserted into the guiding rail (9).

1 2. Fixing element according to Claim 1, characterized by the fact
2 that the slide (11) can assume two positions in the guiding rail (9), wherein the
3 slide (11) is partially pulled out of the guiding rail (9) and the distance between
4 the engaging edges (21, 29) is at its greatest in the disengaged position, and
5 wherein the slide (11) is inserted into the guiding rail (9) and the distance
6 between the engaging edges (21, 29) is reduced in the engaged position.

1 3. Fixing element according to Claim 2, characterized by the fact
2 that the guiding rail (9) contains a base (15) and side walls (16, 17) with
3 guiding surfaces for the slide (11), and by the fact that an engaging tab (24)
4 that is slightly bent upward and contains an upwardly directed locking tab (25)
5 is formed on the base (15) of the guiding rail (9) by means of recesses (23),
6 wherein said locking tab can be elastically engaged with notches (32) that are
7 provided on the underside of the slide (11) at a distance from one another that
8 defines the disengaged position and a distance from one another that defines
9 the engaged position of the slide (11).

1 4. Fixing element according to Claim 3, characterized by the fact
2 that the slide (11) consists of a flat base part (19) that carries the retainer lock
3 (12) on its upper side, and by the fact that the slide (11) is guided on guiding
4 surfaces by means of an outer retainer lock surface (27) and an inner lateral
5 surface (31) of its base part (19), wherein said guiding surfaces are formed by
6 the side wall (16) of the guiding rail (9) on one side and by a step (18) of the
7 side wall (17) of the guiding rail (9) on the other side.

1 5. Fixing element according to Claim 4, characterized by the fact
2 that the slide (11) is guided in a rectangular groove (22) formed in the side wall
3 (16) on one side and in a rectangular groove (20) formed underneath the step

4 (18) on the other side, namely by means of guiding ridges (30) and (33) that
5 laterally protrude from the base part (19).

1 6. Fixing element according to Claim 3 or 4, characterized by the
2 fact that the guiding surfaces for the slide (11) which are formed on the side
3 walls (16, 17) of the guiding rail (9) extend transversely in reference to the
4 center line of the base (15), wherein the base part (19) of the slide (11)
5 transversely extends at the same angle, and by the fact that the engaging edge
6 (29) formed on the inner retainer lock surface (28) and the other, opposing
7 engaging edge (21) formed on one side wall (17) of the guiding rail (9) above
8 the step (18) that forms one guiding surface for the base part (19) of the slide
9 (11) extend parallel in reference to the center line of the base (15) of the
10 guiding rail (9).

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